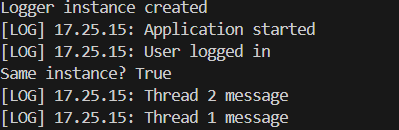
**Design Patterns and Principles:**

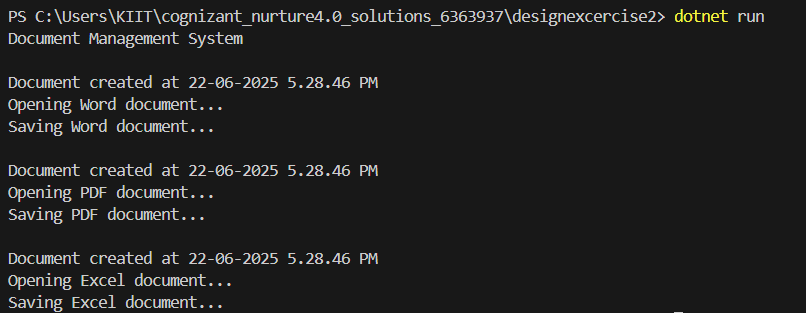
**Exercise 1: Implementing the Singleton Pattern**

**OUTPUT:**

****

**Exercise 2: Implementing the Factory Method Pattern**

**OUTPUT:**

****